WHAT IS CLAIMED IS:

1.   A network-based design service system,
comprising:

    design database server for storing a design
database containing information on parts/vendors,
information on sample circuits, and information on anti-
noise circuit and other design know-how that are
registered by a parts vendor in advance via a network;

    designer terminal for a designer to search said
design database, determine design conditions
autonomously, and conduct the design of a device; and

    account terminal for paying a royalty for
utilizing the design database from the bank account of
the designer to the bank account of the parts vendor
upon utilization of said design database.

2.   The network-based design service system as set
forth in claim 1, wherein

    said designer terminal searches said design
database on a WWW site, determines design conditions
autonomously, and conducts the design of a device.

3.   The network-based design service system as set
forth in claim 1, wherein

    said account terminal has a function for paying
an employment fee from the bank account of the parts

5 vendor to the bank account of the designer upon

employment of a part by said designer.

4.   The network-based design service system as set

forth in claim 1, comprising:

means for notifying a problem if a problem is

found in a sample circuit, etc., during the design

5 process for a device to other designer terminals being

used by other designers working on the devices related

to the device with said problem.

5.   The network-based design service system as set

forth in claim 1, comprising:

means for the designer to conduct circuit design

for a device, and determine parts to employ autonomously

5 through price simulation for achieving the target price

of the device and noise simulation for achieving the

required noise proof performance.

6.   The network-based design service system as set

forth in claim 1, comprising:

means for notifying a problem found in a sample

circuit, etc., during the design process for a device,

5 if any, to other designer terminals being used by other

designers working on the devices related to the device

with said problem; and

means for the designer to conduct circuit design

for a device, and determine parts to employ autonomously

10   through price simulation for achieving the target price

of the device and noise simulation for achieving the

required noise proof performance.

7.   A network-based design method, comprising the

steps of:

a parts vendor registering on a design database

server various kinds of information, including

5   information on parts/vendors, information on sample

circuits, and information on anti-noise circuit and

other design know-how, in advance via a network;

a designer searching said design database,

determining design conditions autonomously, and

10   conducting the design of a device; and

paying a royalty for utilizing the design

database from the bank account of the designer to the

bank account of the parts vendor upon utilization of

said design database.

15

8.   The network-based design method as set forth in

claim 7, wherein

said design step searches said design database on

a WWW site, determines design conditions autonomously,

5   and conducts the design of a device.

9.   The network-based design method as set forth in

claim 7, further comprising the step of:

    paying an employment fee from the bank account of
the parts vendor to the bank account of the designer
5   upon employment of a part by said designer.

10.   The network-based design method as set forth in
claim 7, comprising the step of:

    notifying a problem if a problem is found in a
sample circuit, etc., during the design process for a
5   device to other designer terminals being used by other
designers working on the devices related to the device
with said problem.

11.   The network-based design method as set forth in
claim 7, comprising the step of:

    the designer conducting circuit design for a
device, and determine parts to employ autonomously
5   through price simulation for achieving the target price
of the device and noise simulation for achieving the
required noise proof performance.

12.   The network-based design method as set forth in
claim 7, comprising the steps of:

    notifying a problem if a problem is found in a
sample circuit, etc., during the design process for a
5   device to other designer terminals being used by other
designers working on the devices related to the device

with said problem; and

the designer conducting circuit design for a
device, and determine parts to employ autonomously
10 through price simulation for achieving the target price
of the device and noise simulation for achieving the
required noise proof performance.

13. A network-based design service system,
comprising:

design database server for storing a design
database containing information on parts/vendors,
5 information on sample circuits, and information on anti-
noise circuit and other design know-how that are
registered by a parts vendor in advance via a network;
and

designer terminal for a designer to search said
10 design database, determine design conditions
autonomously, and conduct the design of a device.

14. The network-based design service system as set
forth in claim 13, wherein
said designer terminal searches said design
database on a WWW site, determines design conditions
5 autonomously, and conducts the design of a device.

15. The network-based design service system as set
forth in claim 13, comprising:

means for notifying a problem if a problem is found in a sample circuit, etc., during the design process for a device to other designer terminals being used by other designers working on the devices related to the device with said problem.

16.   The network-based design service system as set forth in claim 13, comprising:

means for the designer to conduct circuit design for a device, and determine parts to employ autonomously through price simulation for achieving the target price of the device and noise simulation for achieving the required noise proof performance.

17.   The network-based design service system as set forth in claim 13, comprising:

means for notifying a problem if a problem is found in a sample circuit, etc., during the design process for a device to other designer terminals being used by other designers working on the devices related to the device with said problem; and

means for the designer to conduct circuit design for a device, and determine parts to employ autonomously through price simulation for achieving the target price of the device and noise simulation for achieving the required noise proof performance.